Dariu M Gavrila

List of Publications by Year
in descending order

31 papers	2,865 citations	687363 13 h-index	839539 18 g-index
31 all docs	31 docs citations	31 times ranked	2009 citing authors

#	Article	IF	Citations
1	Fast and Compact Image Segmentation Using Instance Stixels. IEEE Transactions on Intelligent Vehicles, 2022, 7, 45-56.	12.7	7
2	Semantic Scene Completion Using Local Deep Implicit Functions on LiDAR Data. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 7205-7218.	13.9	17
3	Multi-Class Road User Detection With 3+1D Radar in the View-of-Delft Dataset. IEEE Robotics and Automation Letters, 2022, 7, 4961-4968.	5.1	52
4	Scenario-Based Trajectory Optimization in Uncertain Dynamic Environments. IEEE Robotics and Automation Letters, 2021, 6, 5389-5396.	5.1	12
5	General-Sum Multi-Agent Continuous Inverse Optimal Control. IEEE Robotics and Automation Letters, 2021, 6, 3429-3436.	5.1	5
6	A Joint Extrinsic Calibration Tool for Radar, Camera and Lidar. IEEE Transactions on Intelligent Vehicles, 2021, 6, 571-582.	12.7	32
7	Crafted vs Learned Representations in Predictive Modelsâ€”A Case Study on Cyclist Path Prediction. IEEE Transactions on Intelligent Vehicles, 2021, 6, 747-759.	12.7	6
8	Simple Pair Pose - Pairwise Human Pose Estimation in Dense Urban Traffic Scenes. , 2021, , .		4
9	Human motion trajectory prediction: a survey. International Journal of Robotics Research, 2020, 39, 895-935.	8.5	381
10	CNN Based Road User Detection Using the 3D Radar Cube. IEEE Robotics and Automation Letters, 2020, 5, 1263-1270.	5.1	97
11	ECP2.5D - Person Localization in Traffic Scenes. , 2020, , .		2
12	An Experimental Study on 3D Person Localization in Traffic Scenes. , 2020, , .		0
13	Context-Based Path Prediction for Targets with Switching Dynamics. International Journal of Computer Vision, 2019, 127, 239-262.	15.6	96
14	An Extrinsic Calibration Tool for Radar, Camera and Lidar. , 2019, , .		52
15	Context-based cyclist path prediction using Recurrent Neural Networks. , 2019, , .		26
16	Occlusion aware sensor fusion for early crossing pedestrian detection. , 2019, , .		18
17	EuroCity Persons: A Novel Benchmark for Person Detection in Traffic Scenes. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 1844-1861.	13.9	180
18	Generating 3D Person Trajectories from Sparse Image Annotations in an Intelligent Vehicles Setting. , 2019, , .		1

#	Article	IF	Citations
19	Instance Stixels: Segmenting and Grouping Stixels into Objects. , 2019, , .		4
20	Deep End-to-end 3D Person Detection from Camera and Lidar. , 2019, , .		8
21	Using road topology to improve cyclist path prediction. , 2017, , .		38
22	A Unified Framework for Concurrent Pedestrian and Cyclist Detection. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 269-281.	8.0	75
23	Driver and pedestrian awareness-based collision risk analysis. , 2016, , .		26
24	Mixture of Switching Linear Dynamics to Discover Behavior Patterns in Object Tracks. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 322-334.	13.9	12
25	A Probabilistic Framework for Joint Pedestrian Head and Body Orientation Estimation. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 1872-1882.	8.0	54
26	Analysis of pedestrian dynamics from a vehicle perspective. , 2014, , .		26
27	Will the Pedestrian Cross? A Study on Pedestrian Path Prediction. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 494-506.	8.0	251
28	Context-Based Pedestrian Path Prediction. Lecture Notes in Computer Science, 2014, , 618-633.	1.3	139
29	Active Pedestrian Safety by Automatic Braking and Evasive Steering. IEEE Transactions on Intelligent Transportation Systems, 2011, 12, 1292-1304.	8.0	163
30	Integrated pedestrian classification and orientation estimation. , 2010, , .		64
31	Monocular Pedestrian Detection: Survey and Experiments. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2009, 31, 2179-2195.	13.9	1,017